



## Stairways

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Stairways shall have handrails on each side, and every stairway required to be more than 88" in width shall be provided with not less than one intermediate handrail for each 88" of required width. Intermediate handrails shall be spaced approximately equally across the entire width of the stairway. **Sec. 1003.3.6.1a.**

Handrails shall be 34" to 38" above the nosing of the treads. **Sec. 1133B.4.2.1 & Fig. 11B-35.**

Handrails shall extend a minimum of 12" beyond the top nosing and 12" plus the tread width beyond the bottom nosing. **Sec. 1133B.4.2.2 and Fig. 11B-35 & 11B-37.**

Where the extension of the handrail in the direction of the stair run would create a hazard, the termination of the extension shall be made either rounded or returned smoothly to the floor, wall, or post. Where the stairs are continuous from landing to landing, the inner rail shall be continuous and need not extend out into the landing. **Sec. 1133B.4.2.4 & Fig. 11B-37.**

Ends shall be returned or terminate in newel posts or safety terminals. **Sec. 1133B.4.2.3.**

Handrails projecting from a wall shall have a space of 1-1/2" between the wall and the handrail. Handrails may be located in a recess if the recess is a maximum of 3" deep and extends at least 18" above the top of the rail. Handrails shall not rotate within their fittings. **Sec. 1133B.4.2.5 & Fig. 11B-36.**

The handgrip portion of handrails shall be not less than 1-1/4 inches nor more than 1-1/2 inches in cross sectional

nominal dimension or the shape shall provide an equivalent gripping surface. **Sec. 1133B.4.2.6.1.**

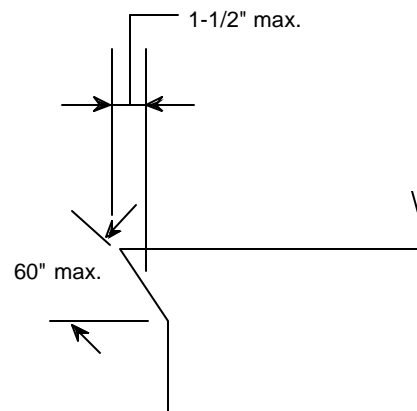
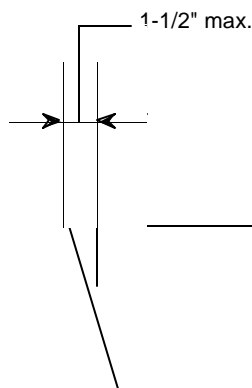
The upper approach and the lower tread of each stair shall be marked by a strip of clearly contrasting color at least 2" and no more than 4" wide and placed parallel to and not more than 1" from the nose of the step or landing to alert the visually impaired. The strip shall be of a material that is at least as slip-resistant as the other treads of the stair. A painted strip shall be acceptable. **Sec. 11133B.4.4 & Fig. 11B-35.**

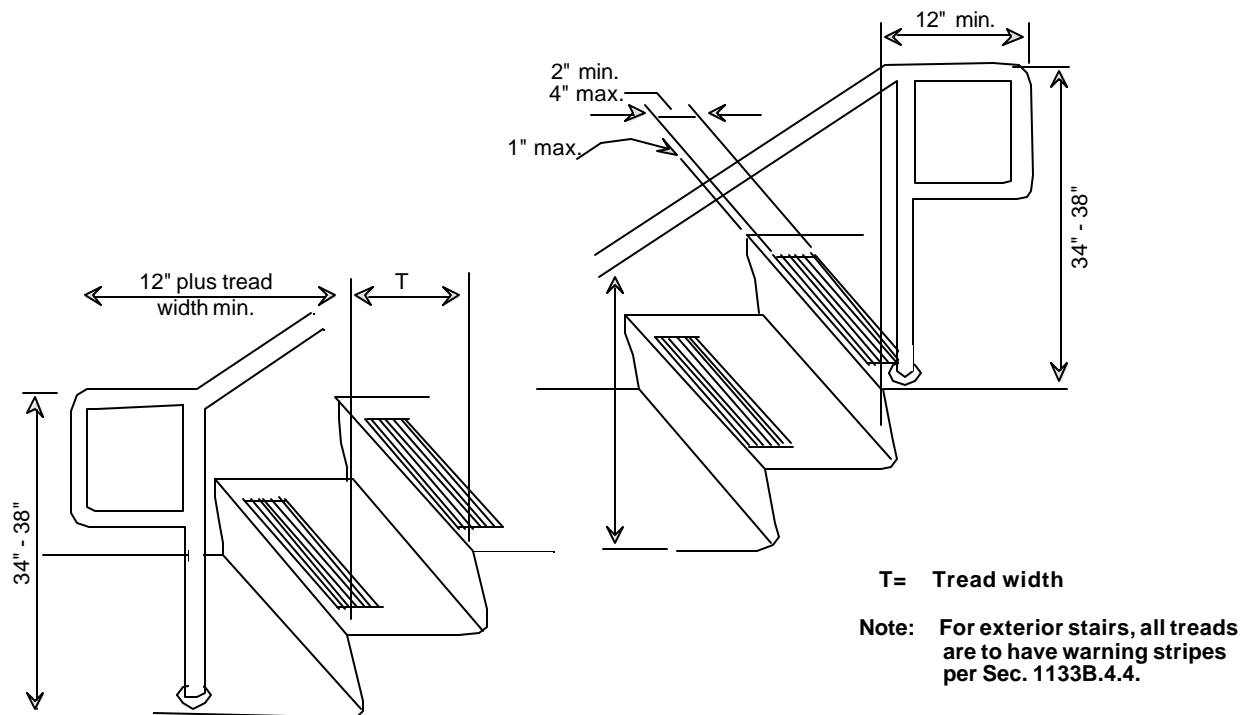
Where stairways occur outside a building, the upper approach and all treads shall be marked by a strip of clearly contrasting color at least 2" and no more than 4" wide and placed parallel to and not more than 1" from the nose of the step or landing to alert the visually impaired. The strip shall be of a material that is at least as slip-resistant as the other treads of the stair. A painted strip shall be acceptable. **Sec. 1133B.4.4 & Fig. 11B-35.**

All tread surfaces shall be slip-resistant. Weather exposed stairs and their approaches shall be designed so that water will not accumulate on walking surface. Treads shall have smooth, rounded, or chamfered, exposed edges, and no abrupt edges at the nosing (front edge). **Sec. 1133B.4.5.1.**

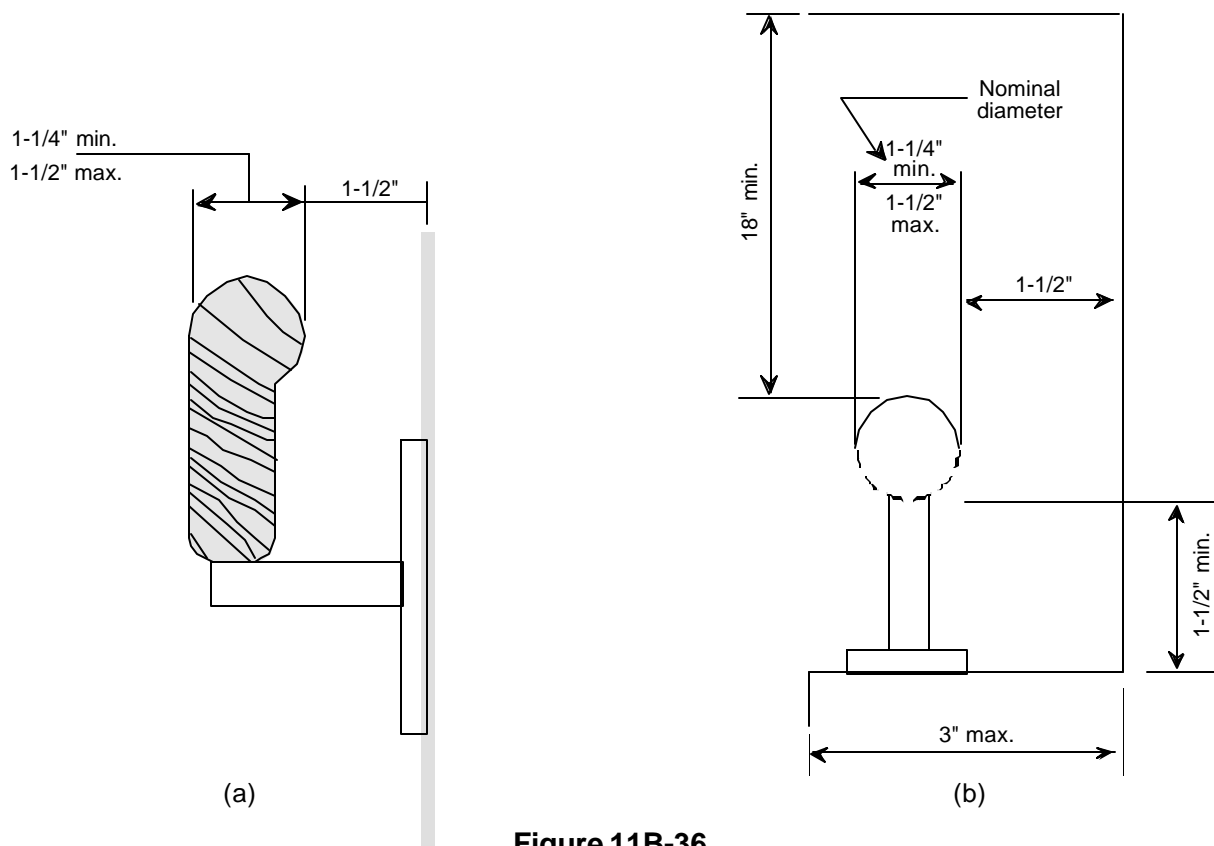
The nosing shall not project more than 1-1/2" past the face of the riser below. **Sec. 1133B.4.5.2 & Fig. 11B-35.**

Open risers are not permitted. **Sec. 1133B.4.5.3 & Fig. 11B-35.**





Warning Striping And Handrail Extensions

**Figure 11B-35****Figure 11B-36**